IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Ramin Samadani   Art Unit   : 2624
Serial No. : 10/620,937   Examiner : Perungavoor, Sathyanaraya V
Filed   : July 16, 2003   Confirmation No.: 8859
Title   : High Resolution Image Reconstruction

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

SUPPLEMENTAL INTERVIEW SUMMARY RECORD

This Supplemental Interview Summary Record is being filed in order to clarify the description of the telephonic interview of July 7, 2008 (hereinafter "the telephonic interview"), that is contained in the Interview Summary Record filed on September 5, 2008, by Examiner Matthew Bella.

The Interview Summary Record of September 5, 2008, states that "Examiner agreed to withdraw the 112 rejections in view of applicant's arguments that the claimed subject matter is only figure 12." This statement, however, does not capture the substance of the telephonic interview. In particular, during the telephonic interview, Mr. Garcia (undersigned) explained that the subject matter of claim 2 is enabled by the application disclosure and is not indefinite for the following reasons:

- FIG. 12 shows that the reconstructed high resolution image ($\hat{A}_1$) of said low resolution image frame (a_1) is related to low spatial frequency component (A_{1L}) of said low resolution image frame (a_1) and the weighted remapped residual high spatial frequency component ($\hat{A}_{1H}$) of said low resolution image frame (a_1) as follows: $\hat{A}_1 = A_{1L} + \hat{A}_{1H}$ [equation 1]

- FIG. 11 shows that the weighted remapped residual high spatial frequency component ($\hat{A}_{1H}$) of said low resolution image frame (a_1) is related to the motion-compensated high spatial frequency component estimate $\hat{A}'_{1H}$ and the weights α as follows: $\hat{A}_{1H} = \alpha \cdot \hat{A}'_{1H}$ [equation 2]

Applicant : Ramin Samadani   Attorney's Docket No.: 100110275-1
Serial No. : 10/620,937   Interview Summary Record dated Sep. 23, 2008
Filed : July 16, 2003
Page : 2 of 2

- Substituting equation 2 into equation 1 gives: $\hat{A}_1 = A_{1L} + \alpha \cdot \hat{A}'_{1H}$

- Paragraph 18 explains that: "… The weights α basically control how much of the remapped residual high spatial frequency component $\hat{A}'_{1H}$ is added to the low spatial frequency component A_{1L} to form the final reconstructed high spatial resolution image estimate $\hat{A}_1$. …"

- Thus, the weights α control the relative contributions of A_{1L} and $\hat{A}'_{1H}$ to $\hat{A}_1$.

- FIG. 10, the description of FIG. 10 on page 3, and ¶¶ 17, 18 disclose that the weight function generator 46 generates the values of α, which represent the per-pixel motion confidence weights.

- Thus, through its control over the generation of the weights α, the weight function generator 46 "controls relative contributions of said motion-compensated high spatial frequency component estimate of said low resolution image frame and said generated low spatial frequency component of said low resolution image frame in the reconstructed high resolution image of said low resolution image frame based on measures of confidence in motion estimates used to map said high spatial frequency component to the motion-compensated high spatial frequency component estimate of said low resolution image frame." as recited in claim 2

Based on this explanation, Mr. Bella agreed to withdraw the nonenablement and indefiniteness rejections of claim 2 and 11.

Thus, based on the explanation provided above, the claimed subject matter is not limited to FIG. 12, but rather FIG. 12 provides an example of support showing that the claimed subject matter meets the requirements of 35 U.S.C. § 112.

Charge any excess fees or apply any credits to Deposit Account No. 08-2025.

Respectfully submitted,

Date: Sep. 23, 2008   /Edouard Garcia, Reg. No. 38,461/
                                         Edouard Garcia
                                         Reg. No. 38,461
                                         Telephone No.: (650) 965-8342

Please direct all correspondence to:
Hewlett-Packard Company
Intellectual Property Administration
Legal Department, M/S 35
P.O. Box 272400
Fort Collins, CO 80528-9599